



U. S. Call Have Space, Related Social Programs, Says Anderson

Space programs and social programs are not in conflict, but are related, and the United States can have both, Executive Vice President Robert Anderson told the Engineering Society of Detroit last week.

He said a balanced space program in the long term will make the Earth a better place on which to live and he outlined specific areas where the automotive industry may benefit from space technology.

Social Progress

Concerning social progress, Anderson said every projection about the future is pessimistic if we don't find ways to clean the water we drink and the air we breathe.

"We see over and over again that knowledge of our planet as an environmental system has been woefully inadequate," he said. "It is, therefore, absolutely necessary for us to continue space exploration.

"Space gives us an effective platform overseeing the Earth. We will be able to see problems clearly; we will be able to measure the severity of those problems; and we will be better able to control them."

Technology Changes

Anderson said television, commercial jet aircraft, nuclear energy and microelectronics are samples of amazing technological changes which have come about since the end of World War II largely through military and space research.

These changes, he said, are the "seeds of increased productivity and the foundation for

new products and services" that keep the economy growing.

"They have enabled our economy to grow to the point where we can seriously contemplate eliminating poverty, transforming our cities into habitable areas again, and planning massive changes to improve our education and transportation systems."

Anderson said there are many advantages in space programs from an economic standpoint alone.

S-II Takes 1st in Buc Trimmer

Saturn S-II moved into first place in the August standings in the annual Buc Trimmer competition.

In doing so, S-II climbed from the fourth place held in the July standings. Administration, which held first place in July, took third place in August, behind Material which held onto second place for the second consecutive month.

Outstanding departmental contributors in the August cost reduction program were: D. G. Durborow, Administration; C. S. Swart, Financial; I. J. Altneu, CSM Programs; W. L. Heinz, Manufacturing and Facilities; H. L. Redmond, Material; G. J. Betzler, Quality and Reliability Assurance; Jim Bates, Research, Engineering and Test; F. B. Cary, Saturn S-II and Marvin Nichols, Management Planning and Controls.

AIAA ABSTRACTS DUE

Abstracts are due within the next few weeks for two American Institute of Aeronautics and Astronautics' 1970 meetings.

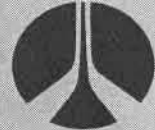
AIAA will hold an Atmospheric Flight Mechanics Conference May 13-15 at the University of Tennessee Space Institute, Tullahoma. Sessions will be devoted to missiles, ordnance, V/STOL, aircraft and entry vehicles.

Abstracts of 500-1,000 words must be received no later than Oct. 15 by session chairman. Abstracts concerning entry vehicles should be sent to Victor Stevens, Mail Stop 229-3, NASA Ames Research Center, Moffett Field, Calif. 94035.

Other session chairmen are listed in the AIAA Bulletin.

The AIAA will conduct a Test Effectiveness in the 70s Conference April 1-3 at Palo Alto. This program will be largely invitational; however, a few uninvited papers will be selected.

Requests to make presentations accompanied by an abstracts of 100 words or fewer should be sent no later than Nov. 3 to the general chairman, Col. Frank Borman, NASA Manned Spacecraft Center, Houston, or to the program chairman, J. L. Pearce, J. L. Pearce and Associates, Inc., 101 N. Atlantic Ave., Cocoa Beach, Fla. 32931.



Apollo Astronauts Return 'Home' to Cheering Crowds, Confetti

Enthusiasm of Reception Unaffected by Quarantine Period and Other Long Delays

Neil Armstrong and Mike Collins came "home" to a proud Space Division last Friday and were greeted with noisy enthusiasm laced with reverence.

Some 3,000 persons at Seal Beach and 7,000 at Downey showered confetti on the two Apollo 11 astronauts who returned from their epochal lunar landing mission seven weeks ago.

S-II-10 Fired for First Time Since Hurricane Camille

Saturn S-II-10 was successfully tested Wednesday at NASA's Mississippi Test Facility in the first static firing since Hurricane Camille swept through the area in mid-August.

The full-duration firing, some 360 seconds, announced in thunderous tones that Mississippi Test Operations personnel are definitely back in business.

Joel Estes served as test conductor for the firing two days ago. Jim Bruce was "Red Crew" leader. Hugo Fruehauf was chief test conductor, Gerry Wilson, test operations manager.

C. G. Allen, S-II MTO director. (Continued on Page 2, Column 2)

Bay Blvd. Construction Presently Under Way

Widening of Bay Blvd. at the intersection of Westminster, adjacent to the Space Division's Seal Beach Facility is under way.

At completion, scheduled for the spring, Bay Blvd. will have three lanes each way instead of the present two, an improved left-turn lane and a traffic island.

During construction, motorists are urged to use caution.

Any question of whether the quarantine period and other delays would dilute the enthusiasm of the reception was dispelled amid fountainheads of welcome from the men and women who built the Saturn S-II and the Apollo spacecraft command and service modules.

As Americans and as individuals who, during the past eight years, had given that extra bit of effort to place that first footprint on the moon, Space Division personnel felt a bond with the astronauts.

The feeling seemed to be mutual. Armstrong, the first being from Earth to set foot on another planetary body, and Collins, who remained in the CSM throughout the mission, moved unhurriedly through the welcoming ranks, shaking hundreds of outstretched hands, signing dozens of autographs.

When the helicopter touched down at Seal Beach, the astronauts were greeted by R. E. Greer, vice president and Space Station program manager; Harold Raiklen, vice president and S-II program manager, and John Prager, NASA deputy S-II resident manager.

During a brief ceremony on the Bldg. 80 patio area, Armstrong repeated a comment he made shortly after the July 16 lift-off from Cape Kennedy: "The S-II gave us the smoothest ride ever. So smooth, in fact, I wondered if the S-II had actually taken over."

Collins looked into the faces of the men and women who had built the S-II and frankly ad-

mitted that a few years ago he had apprehensions about using liquid hydrogen as a fuel. "After the ride you people gave us, I sure don't have doubts any longer."

In Downey, the astronauts were greeted by J. L. Atwood, North American Rockwell president and chief executive officer; J. R. Moore, NR vice president and president of the Aerospace and Systems Group; R. H. Ruud, senior vice president—Operations, A&SG; J. P. McNamara, Space Division executive vice president; A. B. Kehlet, who served as program manager for the CSM 107 used on the Apollo 11 mission; D. D. Myers, vice president and program manager, Space Shuttle program and until recently Apollo program manager; W. H. Gray, NASA Downey resident Apollo Program manager and Scott Temple, mayor of Downey.

The International Children's Choir from Long Beach sang and the Downey High School Band played.

In the absence of William B. Bergen, division president, who was in Houston attending a Manned Flight Awareness Seminar, McNamara served as master of ceremonies.

Armstrong said, "I've been a pretty fortunate fellow over the years in that I've had the pleasure of flying quite a few North American planes. These planes, including the X-15, always took me out, got the job done, and brought me back. So

(Continued on Page 3, Column 1)



FIRE PREVENTION — John R. Toller, chief, Protective Services, watches as J. R. Van Camp, fire prevention officer, puts up poster in observance of national Fire Prevention Week, Oct. 5-11.

J. R. Toller, Chief of Protective Services, Commends Firemen

John R. Toller, chief of Protective Services, is taking the occasion of national Fire Prevention Week, Oct. 5-11, to express appreciation to the division's 68 firemen and 200 auxiliary firemen.

"I'd like to take this opportunity to thank these men for their constant vigilance in the recognition and reporting of potential fire hazards," Toller said. "Only through such vigilance can corrective measures be taken, fire losses minimized, and fire prevention standards maintained."

The auxiliary firemen take on this responsibility in addition to their regular jobs. Their regular jobs are as varied as are their personnel disciplines. These men work in Downey, Seal Beach and Butler Hangar.

Chief Toller's staff of firemen are experienced in handling chemical as well as wood or paper fires. The division has seven fire trucks, three ambulances and supporting equipment.

Chief Toller added that Protective Services would wel-

Garcia Speaks at Seal Beach

Erculano E. Garcia, statistical analyst, Test Data Analysis, Seal Beach, spoke on "Data Conditioning Using Interactive Graphics," recently in Long Beach at a meeting of the Statistical Program Evaluation Committee, an organization formed of representatives of several aerospace firms.



ASTRONAUT AWARDS — Eugene Cernan, member of the Apollo 10 moon-orbiting crew, and of the Apollo 14 backup crew, praised the unflagging dedication of "Snoopy" award recipients.

83 Division Employees Earn Astronaut Achievement Awards

Special astronaut achievement (Snoopy) awards were presented to 83 division employees in special ceremonies Sept. 17 at Downey and Seal Beach.

Making the presentations were astronauts Joe Engle and Gene Cernan. Congratulating employees on their outstanding contributions to the Apollo/Saturn lunar landing program were Executive Vice President Joseph McNamara, and John Healey, vice president of Manufacturing and Facilities.

Also receiving awards at the Downey event were members of the NASA-Downey office and representatives from three subcontractor firms working with the division on the Apollo and Saturn S-II programs.

The Snoopy award, named after the colorful cartoon character of the "Peanuts" comic strip, was adopted by the nation's astronauts to honor persons for job excellence and professionalism on the Apollo lunar landing program. The awards are made only by members of the astronaut team. Division employees are nominated through the PRIDE program.

Weld Crew Honored

Engle, a member of the Apollo 14 backup crew, made a special trip to Seal Beach to present awards to a Saturn S-II welding team which was in the middle of a critical welding operation.

The crew included Mel Barnes, Dick Boner, Dick Byus, Jay Contreras, Paul Quinlan, Harvey Sutherland and John Tonso, all from S-II Vehicle Assembly and Major S/A Welding and Bonding.

Talking to employees at Downey, Cernan, Apollo 14 backup crewman and a member of the Apollo 10 moon-orbiting crew, pointed to the confidence and trust he, Tom Stafford and John Young had in the division-built command and service modules that took them to the moon and returned them safely to Earth.

"Through your dedication, you have given people throughout America the impetus for pride," Cernan said.

He emphasized that "we all still have a big job to do. We ask you to help us to stimulate people on the program to still do a good job . . . to stimulate the pride that existed, and I think still exists, in what we did in July."

Receiving Snoopy awards were:

Virginia Williams, Quality and Reliability Assurance; Hal Ovland, Bill Keefe, Jim Parker, Bob Saltzman, all Financial; Tony Longo, Public Relations; Carl Conley, Motion Pictures; and Berl Appel, Ron

Hurtienne, Lanny Snapp, Sidney Tarnoff, Mrs. G. E. Weeks, all from Quality Engineering.

Richard Ascarate and Fred Turner, Test Quality Assurance; Henry Leveck, Procurement Quality Assurance; Roy Moore, Manufacturing Quality Assurance; Leonard Burnett, Joseph Marino, and J. Sveiven, Facilities and Industrial Engineering.

C. O. Baker, Robert Bartz, Howard Boulton, George Brown, Roger Holt, Kenneth Lengner, Harry May, Bob McCool, Don Nakashima, Katherine Schormann, Jim West, R. Newman, and Betty Polsgrove, all from Research, Engineering and Test.

Patrick Doonan and Clinton Stephens, Seal Beach Business Operations; William Beatty, Interdivisional Operations; Agnes Welsh, Graphic Data Systems; William Cushing, Dolores Wood and Jeannette Wright, Documentation; Ward Gray, Structural Systems & Mechanism.

Other Honorees

Robert Henry and Jim Livingston, S-II Engineering-Test & Logistics; Becky Harlan and Roy McCully, S-II Contracts and Pricing; Ben Strader, S-II Stage Checkout; Letty Chartier and John MacIsaac, S-II Material; Dewey Pennington, R. Peterson and Marcell Rattler, S-II Manufacturing and Support; Joseph Osterman, Apollo Contracts and Pricing.

Ken Boullion, Diane D'Alessandro, Robert Dunaven, Art Flores, Mike Foster, Gary Frye, Al Glickman, Richard Hammons, Elmer Hansen, Ted James, George Redding, William Remp, Harold Rootlieb, Aaron Sandler, Doris Sorbo, Alan Tolleth, Jim Ulm, C. Yates and George Wandrocke, all of Apollo Test Operations and Support.

Sandra Lippincott, Apollo Service Module Installation; Helen Hempel, Apollo Manufacturing; John Blackburn, Apollo Configuration Management; Beth Jackson and Rubye Ives, Communications.

NASA-Downey employees presented awards were Humberto Alcantar; Joe Campbell, Hope Barrera, Jack Davison, Rudy Gerber, Wally Graves, Dick Howard, Dick McGrath, Richard Perry and Don Phillips.



S-II SNOOPY WINNERS — Joe Engle, fourth from left, former X-15 pilot and also a member of the Apollo 14 backup crew, presented astronaut "Snoopy" awards at the Seal Beach Facility.

NR, UAW Agree on Apprenticeship Training Program

On Oct. 6, 1968, a new three-year agreement between the UAW and North American Rockwell Corporation, Aerospace and Systems Group, became effective. One of the features was the agreement by the parties to establish a Selected Aerospace Skills Program. This program, which is the first of its kind in the aerospace industry, is a long-range effort requiring considerable work by both company and union representatives.

The company has recently identified a need for apprentice-type shop training for electronic classifications at the Space Division. The apprenticeship standards, which are in reality the operating procedures for the apprenticeship program, have been drafted and are currently being studied by representatives of both parties. Mutual agreement on the standards, as well as on the other features of the program such as the selection criteria and course content, is necessary.

Administration of the apprenticeship program will be a joint company-union effort through a Joint Apprenticeship Committee. There will also be a Division Apprenticeship Committee which will be responsible for monitoring program activities at the division level.

In spite of the fact that much work remains to be done, the parties are hopeful that the Apprentice-Electronic Program at the Space Division can be started by February, 1970. Present plans provide for an initial group of 20 apprentices. The minimum starting rate will be \$3.30 an hour plus cost-of-living allowance with increases of 13¢ per hour every 26 weeks.

Employees with a base rate of \$3.56 or more per hour will start at the rate of \$3.56. Employees with qualifying experience may receive credit for such experience, in which event the employee will receive a higher starting rate based on that experience. In other words, an employee with a base rate of \$3.56 and qualifying experience possibly could have a starting rate higher than the \$3.56.

The starting rate and the periodic increases are subject to review and approval by the Joint Apprenticeship Committee. Upon completion of the program, employees will be qualified for a Labor Grade 17 electronic classification with journeyman status. A wide variety of electronic skills will be taught. All school costs will be paid by the company.

Although company and union representatives have not yet reached final agreement on the selection criteria, some rules have been adopted. Applicants for the Apprentice-Electronic Program must be employees of the Space Division in the UAW bargaining unit who have attended at least eight years of school and are between the ages of 18 and 41. Employees with two years of military service may be as old as 43. Applications for the program are available at the Space Division through supervision or the Manpower Development Department, Ext. 2616.

EMPLOYEES WELCOME ASTRONAUTS WITH CONFETTI, AFFECTION



SEAL BEACH WELCOME — Apollo 11 CSM Pilot Mike Collins, right, wanted to shake the hands of as many persons as possible who built the Saturn S-II. In photo at right, Apollo 11 Spacecraft Commander Neil Armstrong, first man

to set foot on another planetary body, repeated "thank you, thank you," to those who greeted the two astronauts. Armstrong and Collins arrived at Seal Beach by helicopter. Ceremonies were held in the Building 81 patio area.



PLEASURE IS OURS — Both Armstrong, left, and Collins paid tribute to Space Division personnel in Downey ceremonies for eight years of dedicated effort.

Armstrong said, "You're the experts; I wish I could have taken all of you on the mission." Collins said, "We're home. The lunar mission began in Downey."



FINAL CHECKOUT — Last place astronauts visited during Downey tour was high bay area of Bldg. 290. Armstrong and Collins peered into CM 110, schedule for use on the Apollo 14 lunar landing mission, said that each spacecraft seems to be better.

ARMSTRONG AMITY — A current of friendship and mutual admiration seemed to flow via clasped hands as Armstrong walked unhurriedly between lines of cheering Downey employees. Both Armstrong and Collins said the Space Division welcome was one they would never forget. Third member of the crew, Ed Aldrin, was unable to come because of a previous commitment.

Astronauts Welcomed . . .

(Continued from Page 1, Column 5) it was no surprise that Columbia did the same.

"You people are the experts. You know every nut and bolt and piece of wire in the machine. I wish I could have taken all of you on the mission but it was my pleasure to take just one expert—Mike Collins."

Collins commented that "A lot of persons have said 'Welcome Back' but a lot of you said 'Welcome Home' and that's right because the trip to the

moon started here in Downey.

"During the mission, I just sat around in the spacecraft waiting for something to go wrong but nothing ever did. I've seen quite a few spacecraft and they're all beautiful machines. Each one seems to be better than previous ones. That's hard to do, but please keep up the good work. We're depending on you. I'd just like to express my appreciation to all of you who make that possible. Thanks a million."

Following the ceremony, John P. Healey, vice president, Manufacturing and Facilities, took the astronauts on a tour of Bldg. 290. In the high bay area, Collins spotted G. A. Huffman, manufacturing manager, Post Test Operations, and called out a greeting.

After touring the area, and peering into CM 110 which is scheduled to serve on Apollo 14, Armstrong commented to Norm Casson, manager, spacecraft checkout, "It sure is nice to see you again. I see you guys are still pumping out good spacecraft."

Employee comments had a common theme.

J. R. McCann, Tooling, said, "It's wonderful to see them. It's terrific!"

La Vonne Drankan, Structural Sciences, "I've been around here 20 years and this is one of the most exciting things that has ever happened."

Ardie Griepsma, Biomedical Instrumentation Systems, "I'm glad they got back safely from the moon. I'm thrilled to see them here."

Sandra Lippincott, Service Module Installation, a recent "Snoopy" Award winner, "I've

been waiting at least two months for them to come."

Perhaps it was best summed up by Gerry Bennett, supervisor, Plant Services, "We know that we helped put them on the moon. Now that they've come back, the cycle has been completed."

Armstrong, Collins and the third number of the crew, Ed "Buzz" Aldrin, left Monday on an around-the-world goodwill tour. Because of a previous commitment, Aldrin could not visit the Space Division last week but he is expected here as soon as circumstances permit.



DRILL TEAM — C. E. Childs, dark suit, and the Seal Beach team who drilled 572 holes in S-II-15 forward skirt to critical tolerances and passed 5,861 inspection points for error-free job.

5,861 INSPECTION POINTS

Saturn S-II-15 Forward Skirt, With 572 Perfect Holes, Drilled Error-Free

The Saturn S-II-15 forward skirt was drilled without a single defect.

This statement elicits a measure of admiration even from those who are vague about the problems entailed.

The admiration deepens when it is realized that 572 separate near-perfect holes had to be drilled for the bolts which attached the forward skirt to the S-II booster, second stage of NASA's Saturn V launch vehicle.

Admiration becomes profound when it is realized the extremely critical tolerances involved. The holes are about 1½-inches in depth and are stepped from .4390" to .3750" then to .3437" in diameter.

To top all this off, this error-free work was completed through 5,861 inspection points and many important setups.

No wonder C. E. Childs, manager of Structures Installations, is proud of his Seal Beach

team. "This has been our goal for a long time," Childs said. "We've come close before but there was always something . . . You know, this is the last one we're to build under our present contract. Now we're really ready for those six more we hope to get from NASA."

Childs singled out for special mention Al Hibbitt, a mechanic: "He did most of the drilling." Other members of the team include:

H. J. Severin, supervisor; Robert Logue, leadman; Jack Springer, Ed Griefmeyer, Lloyd Bevers, Jack Trombley, and E. D. McMillon, all mechanics.

Responsible for quality control were Bill Campbell, supervisor; Doris Holladay, leadwoman, and Nick Kronberger, of Quality and Reliability Assurance. S. A. Mallinckrodt was the NASA representative. Supporting the operation was K. M. Takade, of Tool Engineering.

Deadline Nears for Scholarship Entrance Filing

Only a few days remain to mail applications for entry in the competition for up to 25 scholarships worth up to \$11,000 each.

The competition is open only to high school seniors. They must also be children of Aerospace and Systems Group employees who have at least one year of service with the company as of Oct. 15, 1969, or who would have had one year of service on that date except for leave, layoff, retirement, or death.

Those eligible who have not yet filed an application form should do so without delay by completing and mailing the official application at right.

Over three-quarters of a million dollars has been paid to date under the company's scholarship program, which is in its 13th year.

Winners are chosen on merit. The amount of each stipend is based on financial need, ranging from an honorary \$250 to a maximum of \$2,200.

OPTOMETRIST HOURS CHANGED

Optometry services in Downey and Seal Beach will have new hours, beginning Monday.

Downey office hours will be: Monday and Wednesday, 8 a.m. to noon; Tuesday, 1-6 p.m., Friday, 8 a.m. to 4 p.m.

Seal Beach office hours will be: Monday and Wednesday, 1-4 p.m.; Thursday, 7:30 a.m. to 3:30 p.m.

Downey offices are in Bldg. 5 (Ext. 5710). Seal Beach offices are in Bldg. 81 (Ext. 4850).

Eye examinations are performed by appointment only but frame adjustments, lens and frame replacements are made without appointments. Both regular and safety eyeglasses are available.

OFFICIAL APPLICATION
AEROSPACE AND SYSTEMS GROUP COLLEGE SCHOLARSHIP PROGRAM
(please print)

APPLICANT (must be graduating from high school in 1970):

(last name) (first name) (middle name)

(number and street) (telephone)

(city) (state) (zip code)

PARENT (must be employed by A&SG for 1 year as of 10-15-69):

(last name) (first name) (middle name)

Dept. No. / Serial No. / Phone Ext. / Division and Facility where employed

MAIL TO: Executive Secretary, Scholarship Committee
North American Rockwell Corporation
Aerospace and Systems Group
Executive Offices, D891 A-58
1700 East Imperial Highway
El Segundo, California 90245

APPLICATION MUST BE RECEIVED AT THE ABOVE ADDRESS BY OR BEFORE
OCTOBER 15, 1969

Dale Myers Names Members of Space Shuttle Program Team

Dale D. Myers, recently appointed vice president and program manager, Space Shuttle Program, has named other members of the Space Shuttle Program team.

Charles H. Feltz was named assistant program manager. Myers had teamed with Feltz to lead the division's Space Division Apollo spacecraft program for more than five years. Feltz had previously served as project engineer for the company's highly successful X-15 rocket airplane.

In listing the team, Myers said that "We have assembled what I believe to be the strongest industry team in the country. Years of unmatched experience in spacecraft boosters and aircraft design and development is concentrated in these men. When the Request for Proposal is issued, within the next few months, we'll have a head-start in meeting that RFP's requirements."

Other members of the team include:

John W. Sandford, Integrated Launch and Recovery Vehicle (ILRV) and Proposal Manager for NASA Space Shuttle Programs;

Frederick Raymes, Air Force Programs and Shuttle Technology Development;

A. B. Kehlet, Engineering;

S. L. Weinberg, Business Operations;

J. M. Kerr, Material;

J. W. Cuzzupoli, Manufacturing and Facilities;

L. B. Gray, Quality and Reliability Assurance, and, F. J. Mulligan, Logistics.

George Fraser and Richard Bohlen continue as project managers of the Integrated Launch and Recovery Vehicle and Space Transportation Systems contracts, respectively.

McDIVITT NAMED MANAGER, APOLLO SPACECRAFT CENTER

Former astronaut James A. McDivitt, 40, last week was appointed manager of the Apollo Spacecraft Program at NASA's Manned Spacecraft Center, Houston.

McDivitt succeeds George M. Low, 43, who temporarily is on special assignment to the office of Dr. Robert R. Gilruth, MSC director, to plan



McDivitt

future programs and work on organizational matters.

A frequent visitor to the Space Division, McDivitt, as an astronaut, commanded the Gemini IV mission and, this year, the Apollo 9 mission.

Music Class Slated To Begin Thursday

A new series of music classes will be offered at the North American Rockwell Recreation Center, Downey, 6:30 p.m., beginning Thursday.

Conducted by Ernest Tamminga, the classes will be devoted to harmony, including fundamental theory, chord structure, chord progressions, ear training and "playing-by-ear" practice.

Information may be obtained from Tamminga, Ext. 1986-7.

Dance Class Slated

Division employees are invited to join a new, beginners' square dance class 8 p.m. Wednesday at the NR Recreation Center, Downey.

Further information may be obtained from Larry Archer, Ext. 1546, Downey.

Dry Land Ski Lessons Scheduled Tuesday

The NR Langlaufers Ski Club at Downey has scheduled three dry land ski lessons, to be held weekly beginning Tuesday at Woodruff High School, Imperial Hwy. at Woodruff, at 7:30 p.m.

The Ski Club also is planning its first trip of the season: a four-day Thanksgiving weekend trip to Vancouver, British Columbia. Trip reservations are limited. Additional information may be obtained from Don Ness, Ext. 2949, Downey.



SPACE SHUTTLE — Dale D. Myers, right, and Charles H. Feltz, review concepts being studied for NASA's proposed re-useable logistics space station supply craft. Myers is vice president and program manager; Feltz is assistant program manager.